Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/09/2016 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124747	-1	3.75	124702	3.61
Blue	F	SSC	125000	126028	0	5.94	127286	5.73
Blue	E	FITC	17316	16550	-5	4.48	934	9.79
Blue	D	PE	22501	21858	-3	4.14	983	9.11
Blue	B	PerCP-Cy5-5	67647	67618	-1	4.63	1775	14.14
Blue	A	PE-Cy7	80682	80680	-1	5.36	1052	26.07
Red	C	APC	64263	64190	-1	2.70	3621	8.40
Red	A	APC-Cy7	96129	95967	-1	2.73	1903	8.17
Violet	B	V450	11714	11202	-5	4.00	696	8.51
Violet	A	V500	48394	47213	-3	3.68	2670	6.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19261	5.15	600	11	N/A	N/A	Pass
Blue	F	SSC	62648	5.06	524	10	N/A	N/A	Pass
Blue	E	FITC	101	38.51	521	1	0.0253	287	Pass
Blue	D	PE	202	25.43	517	3	0.1628	135	Pass
Blue	B	PerCP-Cy5-5	215	40.68	613	6	0.0104	0	Pass
Blue	A	PE-Cy7	77	103.03	670	7	0.0138	10	Pass
Red	C	APC	339	27.36	588	3	0.0198	29	Pass
Red	A	APC-Cy7	120	39.16	567	2	0.0045	874	Pass
Violet	B	V450	74	41.65	459	3	0.0417	1551	Pass
Violet	A	V500	174	23.41	491	4	0.0133	380	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.26	-30.95	0.83
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	15.99	13.28 - 19.92	N/A	N/A	31.50	31.68	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9600

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments